

Welcome to GridKa School 2013!

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KIT Focus COMMputation

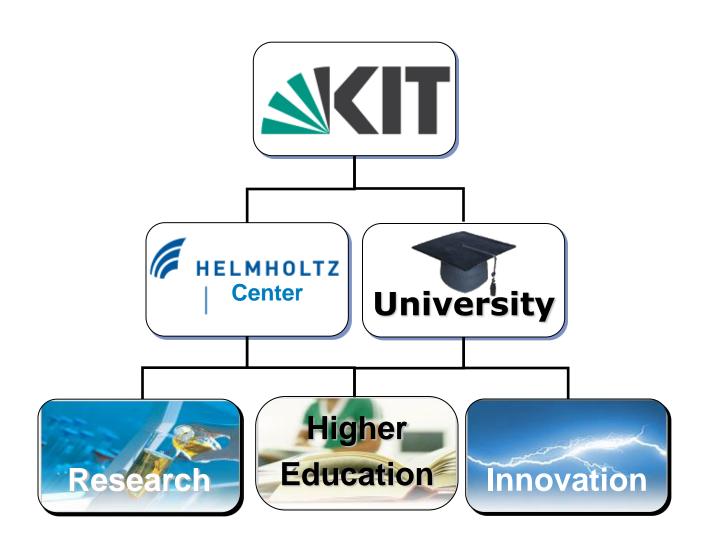
KIT – One Entity, Two Missions, Three Tasks



One Entity

> Two Missions

> > Three Tasks



KIT – Centers, Focuses, and Schools









Energy

COMMputation

KSOP

NanoMicro

Humans and **Technology**

KSETA

Elementary Particle and Astroparticle Physics

Optics and **Photonics**

Climate and **Environment**

> **Anthropomatics** and Robotics

School of Energy

Mobility Systems

KIT-Focus COMMputation



- Relevance of Communication and Computation:
 - Increasing presence of intelligent embedded systems
 - Numerous intelligent objects ("devices") capable
 - to communicate among each other and with humans
 - to be aware of their environment
 - to adapt to dynamically changing requirements
 - Typical objects:
 computers, mobile phones, cars, air planes, appliances,
- Emphasis on concepts, architectures, methods, tools, and selected applications of
 - Information processing,
 - Communication,
 - Services,

to guarantee trustworthy, robust and efficient behaviour of complex, adaptive systems.

KIT Focus COMMputation: Topical Structure and Exemplary Applications



